



# COMMONWEALTH of VIRGINIA

Douglas W. Domenech  
Secretary of Natural Resources

## DEPARTMENT OF ENVIRONMENTAL QUALITY

### Blue Ridge Regional Office

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### Federal Operating Permit Article 1

This permit is based upon the requirements of Title V of the Federal Clean Air Act and Chapter 80, Article 1, of the Commonwealth of Virginia Regulations for the Control and Abatement of Air Pollution. Until such time as this permit is reopened and revised, modified, revoked, terminated or expires, the permittee is authorized to operate in accordance with the terms and conditions contained herein. This permit is issued under the authority of Title 10.1, Chapter 13, §10.1-1322 of the Air Pollution Control Law of Virginia. This permit is issued consistent with the Administrative Process Act, and 9 VAC 5-80-50 through 9 VAC 5-80-300 of the State Air Pollution Control Board Regulations for the Control and Abatement of Air Pollution of the Commonwealth of Virginia.

Authorization to operate a Stationary Source of Air Pollution as described in this permit is hereby granted to:

Permittee Name:	Morgan Lumber Company, Inc.
Facility Name:	Morgan Lumber Company, Inc.
Facility Location:	628 Jeb Stuart Highway Red Oak, Virginia
Registration Number:	30996
Permit Number:	BRRO-30996

This permit includes the following programs:

#### **Federally Enforceable Requirements - Clean Air Act (Sections I through X)**

August 21, 2012

Effective Date

August 20, 2017

Expiration Date

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Regional Director

August 21, 2012

Signature Date

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## **I. Facility Information**

Permittee  
Morgan Lumber Company, Inc.  
P. O. Box 25  
Red Oak, Virginia 23964

Responsible Official  
John Morgan  
President

Facility  
Morgan Lumber Company, Inc.  
P. O. Box 25  
Red Oak, Virginia 23964

Contact Person  
John Morgan  
President  
434-735-8151

**County-Plant Identification Number:** 51-037-00023

**Facility Description:** NAICS 32192 – Morgan Lumber Company, Inc. operates a sawmill, lumber yard, and dry kiln operation. The facility manufactures lumber from southern yellow pine and operates a sawmill, a green wood planer, a green wood-fired boiler that supplies steam to a batch limber kiln, a green wood-fired burner supplying hot gases to a continuous lumber kiln, and a dry wood-fired burner supplying hot gases to a rotary shavings dryer.

## II. Emission Units

Equipment to be operated consists of:

Emission Unit ID	Stack ID	Emission Unit Description	Size/Rated Capacity*	Pollution Control Device (PCD) Description	PCD ID	Pollutant Controlled	Applicable Permit Date
<b>Fuel Burning Equipment</b>							
ES-1	EP-1	Superior Boiler Works boiler, Model 4-5-2506-5150-M gasifier boiler with an in-stack cyclone Boiler was manufactured before May 29, 1989.	20 MMBtu/hr	Cyclone	CD-1	PM10	Original permit on November 25, 1997 amended May 22, 1998, January 4, 2010, and August 16, 2010
<b>Dry Kilns</b>							
ES-2		Steam heated lumber drying kiln with vents	80 MBdft/load				Original permit on May 22, 1998 and amended on January 4, 2010
ES-5 & ES-6		Continuous lumber drying kiln with open ends	7.774 MBdft/hour				August 16, 2010
<b>Shavings Manufacturing</b>							
ES-3 & ES-4	EP-4	Log shaving and rotary drying system, including 2 Newman/Whitney LS-1044 Log shaving machines and a wood-fired rotary shavings dryer with cyclone for shaving recovery	3.13 dried tons of shaving/hour				Original permit on April 3, 2008

\*The Size/Rated capacity is provided for informational purposes only, and is not an applicable requirement.

### III. Fuel Burning Equipment Requirements – (Boiler ES-1)

#### A. Limitations

1. Particulate emissions from the boiler (Ref. ES-1) shall be controlled by mechanical control device. The mechanical control device shall be provided with adequate access for inspection and shall be in operation when the boiler is operating.  
(9 VAC 5-80-110 and Condition 2 of August 16, 2010 Permit)
2. The approved fuel for the wood-fired boiler (Ref. ES-1) is sawdust, excluding any wood which contains chemical treatments or has affixed thereto paint and/or finishing material or paper or plastic laminates. A change in the fuel may require a permit to modify and operate. Sawdust used for the boiler will be transported from the sawmill to the boiler silo by means of a trailer.  
(9 VAC 5-80-110 and Condition 8 of August 16, 2010 Permit)
3. The wood-fired boiler (Ref. ES-1) shall consume no more than 13,000 tons of sawdust per year, calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months.  
(9 VAC 5-80-110 and Condition 9 of August 16, 2010 Permit)
4. Emissions from the operation of the wood-fired boiler (Ref. ES-1) shall not exceed the limits specified below:

Total Suspended Particulate (including condensable PM)	0.3 lbs/MMBtu	17.6 tons/yr
PM-10	0.3 lbs/MMBtu	17.6 tons/yr
Sulfur Dioxide	0.5 lbs/hr	1.5 tons/yr
Nitrogen Oxides (as NO <sub>2</sub> )	4.4 lbs/hr	12.9 tons/yr
Volatile Organic Compounds	0.3 lbs/hr	1.0 tons/yr
Carbon Monoxide	12.0 lbs/hr	35.1 tons/yr

Annual emissions limits shall apply to each consecutive 12-month period.

These emissions are derived from the estimated overall emission contribution from operating limits. Exceedance of the operating limits may be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determined as stated in Condition III.A.3.

(9 VAC 5-80-110, and Condition 11 of August 16, 2010 Permit)

5. Visible emissions from the wood-fired boiler (Ref. ES-1) exhaust shall not exceed 20 percent opacity except during one six-minute period in any one hour in which visible emissions shall not exceed 27 percent opacity as determined by the EPA Method 9 (reference 40 CFR 60, Appendix A). This condition applies at all times except during startup, shutdown, and malfunction.  
(9 VAC 5-50-80, 9 VAC 5-80-110, and Condition 15 of August 6, 2010 Permit)
6. Boiler emissions shall be controlled by proper operation and maintenance. Boiler operators shall be trained in the proper operation of all such equipment. Training shall consist of a review and familiarization of the manufacturer's operating instructions, at minimum. The permittee shall maintain records of the required training including a statement of time, place, and nature of training provided. The permittee shall have available good written operating procedures and a maintenance schedule for the boiler and air pollution control equipment. These procedures shall be based on the manufacture's recommendations, at a minimum. All records required by this condition shall be kept on site and made available for inspection by the DEQ.  
(9 VAC 5-80-110 and Condition 21 of August 6, 2010 Permit)

#### **B. Monitoring**

1. An annual internal inspection shall be conducted on the boiler (ES-1) in-stack cyclone by the permittee to ensure structural integrity.  
(9 VAC 5-80-110E)
2. At least one time per week an observation of the presence of visible emissions from the wood fired boiler ES-1 stack (EP-1) shall be made. The presence of visible emissions shall require the permittee to
  - a. take corrective action such that the wood fired boiler ES-1 resumes operation with no visible emissions, or
  - b. conduct a visible emission evaluation (VEE) on the wood fired boiler ES-1 emissions, in accordance with EPA Method 9 (reference 40 CFR 60, Appendix A) for a minimum of six (6) minutes, to assure visible emissions from the stack are 20 percent opacity or less. If any of the observations exceed 20 percent, the observation period shall continue until a total of sixty (60) minutes of observation have been completed. Corrective action shall be taken, if necessary, such that the boiler resumes operation within the 20 percent opacity limit

The permittee shall maintain a boiler stack observation log for the boiler to demonstrate compliance. The log shall include the date and time of the observations, the name of the observer, whether or not there were visible emissions, the results of all VEEs, and any necessary corrective action. If the boiler has not been operated during the week, it shall be noted in the boiler log book and that a visual observation was not required.

(9 VAC 5-80-110 E)

#### **C. Recordkeeping**

The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content and format of such

records shall be arranged with the Director, Blue Ridge Regional Office. These records shall include, but are not limited to:

1. Annual consumption of sawdust (in tons) to the wood-fired boiler (ES-1), calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months.
2. Scheduled and unscheduled maintenance and operator training.
3. Records of the annual inspection conducted on the boiler (ES-1) in-stack cyclone.
4. Records for the wood-fired boiler (ES-1) required by Condition X.C
5. Visual emission logs for the wood-fired boiler (ES-1), as required by Condition III.B.2

(9 VAC 5-80-110 and Condition 17 of the August 16, 2010 Permit)

**D. Testing of wood fired boiler (ES-1)**

The permitted facility shall be constructed so as to allow for emissions testing at any time using appropriate methods. Upon request from the Department, test ports shall be provided at the appropriate locations.

(9 VAC 5-50-30, 9 VAC 5-80-110, and Condition 18 of the August 16, 2010 Permit)

**E. Reporting**

The requirements of Condition X.C of this permit apply.

(9 VAC 5-80-110)

**IV. Industrial, Commercial, and Institutional Boilers Area Source MACT (40 CFR 63 Subpart JJJJJ for Boiler (ES-1)).**

**A. Compliance Date Requirements**

The permittee must achieve compliance with the applicable area source provisions of 40 CFR 63 Subpart JJJJJ by the compliance dates specified by §63.11196 of this Subpart for existing biomass-fired boilers with a capacity greater than 10 MMBtu/hr but less than 30 MMBtu/hr.

(9 VAC 5-60-90, 9 VAC 5-60-100, 9 VAC 5-80- 110, and 40 CFR 63 Subpart JJJJJ)

**B. Emissions and Operational Requirements**

Except where this permit is more restrictive, on the applicable compliance date the permittee shall comply with the applicable area source Work Practice Standards, Emission Reduction Measures, and Management Practice requirements for the Superior Works boiler (ES-1) as designated by §63.11200 thru 63.11201 and associated tables of this subpart for existing biomass-fired boilers with a capacity greater than 10 MMBtu/hr but less than 30 MMBtu/hr.

(9 VAC 5-60-90, 9 VAC 5-60-100, 9 VAC 5-80- 110, and 40 CFR 63 Subpart JJJJJ)



**C. General Compliance Requirements**

Except where this permit is more restrictive, on the applicable compliance date for the Superior Works boiler (ES-1) the permittee shall comply with the applicable General Compliance Requirements as designated by §63.11205 of the subpart.

(9 VAC 5-60-90, 9 VAC 5-60-100, 9 VAC 5-80- 110, and 40 CFR 63 Subpart JJJJJ)

**D. Initial Compliance Requirements**

Except where this permit is more restrictive, on the applicable compliance date for the Superior Works boiler (ES-1) the permittee shall comply with the applicable area source Initial Compliance Requirements as designated by §63.11210 thru §63.11214 of the subpart for existing biomass-fired boilers with a capacity greater than 10 MMBtu/hr but less than 30 MMBtu/hr. These requirements include, but are not limited to, the following:

1. Compliance requirements and dates,
2. Compliance with emissions limits,
3. Stack tests and procedures,
4. Fuel analysis and procedures, and
5. Work practice standards, emission reduction measures, and management practice.

(9 VAC 5-60-90, 9 VAC 5-60-100, 9 VAC 5-80- 110, and 40 CFR 63 Subpart JJJJJ)

**E. Continuous Compliance Requirements**

Except where this permit is more restrictive, on the applicable compliance date for the Superior Works boiler (ES-1) the permittee shall comply with the applicable area source Continuous Compliance Requirements as designated in §63.11210 thru §63.11226 of the subpart for existing biomass-fired boilers with a capacity greater than 10 MMBtu/hr but less than 30 MMBtu/hr. These requirements include, but are not limited to, the following:

1. Subsequent testing
2. Monitor and collect data
3. Emission limits
4. Work practice and management practice
5. Monitoring, installation, operation, and maintenance
6. Notification, reporting, and recordkeeping
7. Affirmative defense.

(9 VAC 5-60-90, 9 VAC 5-60-100, 9 VAC 5-80- 110, and 40 CFR 63 Subpart JJJJJ)

**F. Other Requirements**

Except where this permit is more restrictive, on the applicable compliance date for the Superior Works boiler (ES-1) the permittee shall comply with the applicable

requirements as designated in §63.11235-of the subpart. These requirements include, but are not limited to, the following:

1. General Provisions
2. Definitions

(9 VAC 5-60-90, 9 VAC 5-60-100, 9 VAC 5-80- 110, and 40 CFR 63 Subpart JJJJJ)

## **V. Process Equipment Requirements – (Log Shaving and Drying ES-3 & ES-4)**

### **A. Limitations**

1. The production of dried shavings from the wood shaving and drying system (Ref. ES-3, ES-4) shall not exceed 12,000 oven-dry tons per year, calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months.  
(9 VAC 5-80-110 and Condition 4 of August 16, 2010 Permit)
2. The approved fuel for the shavings dryer (Ref. ES-3) is wood shavings and fines from the collection of the wood shaving. A change in the fuel may require a permit to modify and operate.  
(9 VAC 5-80-110 and Condition 7 of August 16, 2010 Permit)
3. Visible emissions from the wood shaving and drying system (Ref. ES-3, ES-4) shall not exceed 5% opacity as determined by EPA Method 9 (reference 40 CFR 60, Appendix A).  
(9 VAC 5-50-80, 9 VAC 5-80-110, and Condition 16 of August 16, 2010 Permit)
4. Emissions from the operation of the wood shaving and drying system (Ref. ES-3, ES-4) process shall not exceed the limits specified below:

Particulate Matter (PM) (including condensable PM)	17.5lbs/hr	33.6 tons/yr
PM-10	2.5 lbs/hr	4.9 tons/yr
Nitrogen Oxides (as NO <sub>2</sub> )	2.2 lbs/hr	4.2 tons/yr
Carbon Monoxide	3.7 lbs/hr	7.1 tons/yr
Volatile Organic Compounds	8.2 lbs/hr as propane	15.7 tons/yr as propane

(9 VAC 5-80-110, and Condition 14 of August 16, 2010 Permit)

## **B. Monitoring**

At least one time per week an observation of the presence of visible emissions from the wood shaving and drying system (Ref. ES-3, ES-4) stack (EP-4) shall be made. The presence of visible emissions shall require the permittee to

1. take corrective action such that the wood shaving and drying system (Ref. ES-3, ES-4) resumes operation with no visible emissions, or
2. conduct a visible emission evaluation (VEE) on the wood shaving and drying system (Ref. ES-3, ES-4) emissions, in accordance with EPA Method 9 (reference 40 CFR 60, Appendix A) for a minimum of six (6) minutes, to assure visible emissions from the stack are 5 percent opacity or less. If any of the observations exceed 5 percent, the observation period shall continue until a total of sixty (60) minutes of observation have been completed. Corrective action shall be taken, if necessary, such that the boiler resumes operation within the 5 percent opacity limit,

The permittee shall maintain a stack observation log for the wood shaving and drying system (Ref. ES-3, ES-4) to demonstrate compliance. The log shall include the date and time of the observations, the name of the observer, whether or not there were visible emissions, the results of all VEEs, and any necessary corrective action. If the wood shaving and drying system (Ref. ES-3, ES-4) has not been operated during the week, it shall be noted in the wood shaving and drying system (Ref. ES-3, ES-4) log book and that a visual observation was not required.

(9 VAC 5-80-110 E and 9 VAC 5-80-110 K)

## **C. Recordkeeping**

The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Director, Blue Ridge Regional Office. These records shall include, but are not limited to:

1. Annual production of shavings (in oven dried tons) from the wood shaving and drying system (Ref. ES-3, ES-4), calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months.
2. Scheduled and unscheduled maintenance and operator training.
3. Visual emission logs for the wood shaving and drying system (Ref. ES-3, ES-4), as required by V.B.

These records shall be available on site for inspection by the DEQ and shall be current for the most recent five (5) years.

(9 VAC 5-50-50, 9 VAC 5-80-110, and Condition 17 of August 16, 2010 Permit)

## **D. Testing**

The wood shaving and drying system (Ref. ES-3, ES-4) shall be constructed so as to allow for emissions testing upon reasonable notice at any time, using appropriate

methods. Sampling ports shall be provided when requested at the appropriate locations and safe sampling platforms and access shall be provided.  
(9 VAC 5-50-30, 9 VAC 5-80-110, and Condition 18 of August 16, 2010 Permit)

## **VI. Process Equipment Requirements – (Kilns ES-2 and ES-5/ES-6)**

### **A. Limitations**

1. The batch kiln (Ref. ES-2) shall process no more than 35,000 thousand board feet (MBdft) per year of lumber, calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months.  
(9 VAC 5-80-110 and Condition 5 of August 16, 2010 Permit)
2. The continuous kiln (Ref. ES-5/ES-6) shall process no more than 65,000 thousand board feet (MBdft) per year of lumber, calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months.  
(9 VAC 5-80-110 and Condition 6 of August 16, 2010 Permit)
3. The approved fuel for the continuous dry kiln (Ref. ES-5/ES-6) is sawdust, excluding any wood which contains chemical treatments or has affixed thereto paint and/or finishing material or paper or plastic laminates. A change in the fuel may require a permit to modify and operate. Sawdust used for the dry kiln will be transported from the sawmill to the boiler silo and the continuous dry kiln (Ref. ES-5/ES-6) by means of a trailer.  
(9 VAC 5-80-110 and Condition 8 of August 16, 2010 Permit)
4. Emissions from the operation of the batch kiln (Ref. ES-2) shall not exceed the limits specified below:

Volatile Organic Compounds	71.1tons/yr as propane
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Annual emission shall apply to each consecutive 12-month period.

These emissions are derived from the estimated overall emission contribution from operating limits. Exceedance of the operating limits may be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determined as stated in Condition VI.A.1.

(9 VAC 5-80-110, and Condition 12 of August 16, 2010 Permit)

5. Emissions from the operation of the continuous kiln (Ref. ES-5/ES-6) shall not exceed the limits specified below:

Volatile Organic Compounds	4.3 lbs/hr as propane	140.1tons/yr as propane
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Annual emission shall apply to each consecutive 12-month period.

These emissions are derived from the estimated overall emission contribution from operating limits. Exceedance of the operating limits may be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determined as stated in Condition VI.A.2

(9 VAC 5-80-110 and Condition 13 of August 16, 2010 Permit)

6. Visible emissions from the batch kiln (Ref. ES-2) exhaust vents and the continuous kiln (Ref. ES-5/ES-6) openings shall not exceed 20 percent opacity except during one six-minute period in any one hour in which visible emissions shall not exceed 30 percent opacity. This condition applies at all except during startup, shutdown, and malfunctions.

(9 VAC 5-50-80 and 9 VAC 5-80-110)

## **B. Monitoring**

At least one time per week an observation of the presence of visible emissions from the batch kiln (Ref. ES-2) exhaust vents and the continuous kiln (Ref. ES-5/ES-6) openings shall be made. The presence of visible emissions shall require the permittee to

1. take corrective action such that the batch kiln (Ref. ES-2) and the continuous kiln (Ref. ES-5/ES-6) resumes operation with no visible emissions, or
2. conduct a visible emission evaluation (VEE) on the batch kiln (Ref. ES-2) exhaust vents and the continuous kiln (Ref. ES-5/ES-6) openings emissions, in accordance with EPA Method 9 (reference 40 CFR 60, Appendix A) for a minimum of six (6) minutes, to assure visible emissions from the openings are 5 percent opacity or less. If any of the observations exceed 20 percent, the observation period shall continue until a total of sixty (60) minutes of observation have been completed. Corrective action shall be taken, if necessary, such that the boiler resumes operation within the 5 percent opacity limit,

The permittee shall maintain a kiln visible emissions observation log for each kiln (ES-2 and ES-5/ES-6) to demonstrate compliance. The log shall include the date and time of the observations, whether or not there were visible emissions, the results of all VEEs, any necessary corrective action, and the name of the observer. If an individual kiln has not been operated for any period during the week, it shall be noted in the log book and that a visual observation was not required

(9 VAC 5-80-110 E and 9 VAC 5-80-110 K)

## **C. Recordkeeping**

The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Director, Blue Ridge Regional Office. These records shall include, but are not limited to:

1. Annual production of lumber (in thousand board feet) dried in each of the kilns (ES-2 and ES-5/ES-6)), calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months.
2. Visible emissions logs for the dry (lumber) kilns (ES-2 and ES-5/ES-6) as required by VI.B.
3. Scheduled and unscheduled maintenance and operator training.

These records shall be available on site for inspection by the DEQ and shall be current for the most recent five (5) years.  
(9 VAC 5-80-110 and Condition 17 of August 16, 2010 Permit)

#### **D. Testing**

If testing is conducted in addition to the monitoring specified in this permit, the permittee shall use the appropriate method(s) in accordance with procedures approved by the DEQ.  
(9 VAC 5-80-110)

### **VII. Facility Wide Conditions**

#### **A. Violation of Ambient Air Quality Standard**

The permittee shall, upon request of the DEQ, reduce the level of operation or shut down a facility, as necessary to avoid violating any primary ambient air quality standard and shall not return to normal operation until such time as the ambient air quality standard will not be violated.  
(9 VAC 5-80-110 and Condition 24 of August 16, 2010 Permit)

#### **B. Maintenance/Operating Procedures**

The permittee shall take the following measures in order to minimize the duration and frequency of excess emissions, with respect air pollution control equipment and process equipment which affect such emissions:

1. Develop a maintenance schedule and maintain records of all scheduled and non-scheduled maintenance.
2. Maintain an inventory of spare parts.
3. Have available written operating procedures for equipment. These procedures shall be based on the manufacturer's recommendations, at a minimum.
4. Train operators in the proper operation of all such equipment and familiarize the operators with the written operating procedures, prior to their first operation of such equipment. The permittee shall maintain records of the training provided including the names of trainees, the date of training and the nature of the training.

Records of maintenance and training shall be maintained on site for a period of five years and shall be made available to DEQ personnel upon request.  
(9 VAC 5-80-110 and Condition 21 of August 10, 2010 Permit)

## VIII. Insignificant Emission Units

The following emission units at the facility are identified in the application as insignificant emission units under 9 VAC 5-80-720:

Emission Unit No.	Emission Unit Description	Citation	Pollutant(s) Emitted (9 VAC 5-80-720 B)	Rated Capacity 9 VAC 5-80-720 C)
I-1	Green wood planer	9 VAC 5-80-720 B. 1.	Particulate Matter	
	Sawmill and wood yard	9 VAC 5-80-720 B. 1.	Particulate Matter	

These emission units are presumed to be in compliance with all requirements of the federal Clean Air Act as may apply. Based on this presumption, no monitoring, recordkeeping, or reporting shall be required for these emission units in accordance with 9 VAC 5-80-110.

## IX. Permit Shield & Inapplicable Requirements

Compliance with the provisions of this permit shall be deemed compliance with all applicable requirements in effect as of the permit issuance date as identified in this permit. This permit shield covers only those applicable requirements covered by terms and conditions in this permit and the following requirements which have been specifically identified as being not applicable to this permitted facility:

Citation	Title of Citation	Description of Applicability
40 CFR 63.2231 (b)	40 CFR 63 Subpart DDDD, National Emission Standards for Hazardous Air Pollutants for Plywood and Composite Wood Products	Kilns (Ref. ES-2 and ES-5/ES-6). Facility is not a major source of HAPs.

Nothing in this permit shield shall alter the provisions of §303 of the federal Clean Air Act, including the authority of the administrator under that section, the liability of the owner for any violation of applicable requirements prior to or at the time of permit issuance, or the ability to obtain information by (i) the administrator pursuant to §114 of the federal Clean Air Act, (ii) the Board pursuant to §10.1-1314 or §10.1-1315 of the Virginia Air Pollution Control Law or (iii) the Department pursuant to §10.1-1307.3 of the Virginia Air Pollution Control Law.

(9 VAC 5-80-140)

## **X. General Conditions**

### **A. Federal Enforceability**

All terms and conditions in this permit are enforceable by the administrator and citizens under the federal Clean Air Act, except those that have been designated as only state-enforceable.

(9 VAC 5-80-110 N)

### **B. Permit Expiration**

This permit has a fixed term of five years. The expiration date shall be the date five years from the date of issuance. Unless the owner submits a timely and complete application for renewal to the Department consistent with the requirements of 9 VAC 5-80-80, the right of the facility to operate shall be terminated upon permit expiration.

1. The owner shall submit an application for renewal at least six months but no earlier than eighteen months prior to the date of permit expiration.
2. If an applicant submits a timely and complete application for an initial permit or renewal under this section, the failure of the source to have a permit or the operation of the source without a permit shall not be a violation of Article 1, Part II of 9 VAC 5 Chapter 80, until the Board takes final action on the application under 9 VAC 5-80-150.
3. No source shall operate after the time that it is required to submit a timely and complete application under subsections C and D of 9 VAC 5-80-80 for a renewal permit, except in compliance with a permit issued under Article 1, Part II of 9 VAC 5 Chapter 80.
4. If an applicant submits a timely and complete application under section 9 VAC 5-80-80 for a permit renewal but the Board fails to issue or deny the renewal permit before the end of the term of the previous permit, (i) the previous permit shall not expire until the renewal permit has been issued or denied and (ii) all the terms and conditions of the previous permit, including any permit shield granted pursuant to 9 VAC 5-80-140, shall remain in effect from the date the application is determined to be complete until the renewal permit is issued or denied.
5. The protection under subsections F 1 and F 5 (ii) of section 9 VAC 5-80-80 F shall cease to apply if, subsequent to the completeness determination made pursuant section 9 VAC 5-80-80 D, the applicant fails to submit by the deadline specified in writing by the Board any additional information identified as being needed to process the application.

(9 VAC 5-80-80 B, C, and F, 9 VAC 5-80-110 D and 9 VAC 5-80-170 B)

### **C. Recordkeeping and Reporting**

1. All records of monitoring information maintained to demonstrate compliance with the terms and conditions of this permit shall contain, where applicable, the following:
  - a. The date, place as defined in the permit, and time of sampling or measurements.
  - b. The date(s) analyses were performed.



- c. The company or entity that performed the analyses.
- d. The analytical techniques or methods used.
- e. The results of such analyses.
- f. The operating conditions existing at the time of sampling or measurement.

(9 VAC 5-80-110 F)

- 2. Records of all monitoring data and support information shall be retained for at least five years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit.

(9 VAC 5-80-110 F)

- 3. The permittee shall submit the results of monitoring contained in any applicable requirement to DEQ no later than **March 1** and **September 1** of each calendar year. This report must be signed by a responsible official, consistent with 9 VAC 5-80-80 G, and shall include:

- a. The time period included in the report. The time periods to be addressed are January 1 to June 30 and July 1 to December 31.
- b. All deviations from permit requirements. For purpose of this permit, deviations include, but are not limited to:

- (1) Exceedance of emissions limitations or operational restrictions;
- (2) Excursions from control device operating parameter requirements, as documented by continuous emission monitoring, periodic monitoring, or Compliance Assurance Monitoring (CAM) which indicates an exceedance of emission limitations or operational restrictions; or,
- (3) Failure to meet monitoring, recordkeeping, or reporting requirements contained in this permit.

- c. If there were no deviations from permit conditions during the time period, the permittee shall include a statement in the report that "no deviations from permit requirements occurred during this semi-annual reporting period."

(9 VAC 5-80-110 F)

#### **D. Annual Compliance Certification**

Exclusive of any reporting required to assure compliance with the terms and conditions of this permit or as part of a schedule of compliance contained in this permit, the permittee shall submit to EPA and DEQ no later than March 1 each calendar year a certification of compliance with all terms and conditions of this permit including emission limitation standards or work practices for the period ending December 31. The compliance certification shall comply with such additional requirements that may be specified pursuant to §114(a)(3) and §504(b) of the federal Clean Air Act. The permittee shall maintain a copy of the certification for five (5) years after submittal of the

certification. This certification shall be signed by a responsible official, consistent with 9 VAC 5-80-80 G, and shall include:

1. The time period included in the certification. The time period to be addressed is January 1 to December 31.
2. The identification of each term or condition of the permit that is the basis of the certification.
3. The compliance status.
4. Whether compliance was continuous or intermittent, and if not continuous, documentation of each incident of non-compliance.
5. Consistent with subsection 9 VAC 5-80-110 E, the method or methods used for determining the compliance status of the source at the time of certification and over the reporting period.
6. Such other facts as the permit may require to determine the compliance status of the source.
7. One copy of the annual compliance certification shall be submitted to EPA in electronic format only. The certification document should be sent to the following electronic mailing address:

[R3\\_APD\\_Permits@epa.gov](mailto:R3_APD_Permits@epa.gov)

(9 VAC 5-80-110 K.5)

#### **E. Permit Deviation Reporting**

The permittee shall notify the Director, Blue Ridge Regional Office within four daytime business hours after discovery of any deviations from permit requirements which may cause excess emissions for more than one hour, including those attributable to upset conditions as may be defined in this permit. In addition, within 14 days of the discovery, the permittee shall provide a written statement explaining the problem, any corrective actions or preventative measures taken, and the estimated duration of the permit deviation. The occurrence should also be reported in the next semi-annual compliance monitoring report pursuant to General Condition X.C.3 of this permit.

(9 VAC 5-80-110 F.2 and 9 VAC 5-80-250)

#### **F. Failure/Malfunction Reporting**

In the event that any affected facility or related air pollution control equipment fails or malfunctions in such a manner that may cause excess emissions for more than one hour, the owner shall, as soon as practicable but no later than four daytime business hours after the malfunction is discovered, notify the Director, Blue Ridge Regional Office by facsimile transmission, telephone or telegraph of such failure or malfunction and shall within 14 days of discovery provide a written statement giving all pertinent facts, including the estimated duration of the breakdown. Owners subject to the requirements of 9 VAC 5-40-50 C and 9 VAC 5-50-50 C are not required to provide the written statement prescribed in this paragraph for facilities subject to the monitoring requirements of 9 VAC 5-40-40 and 9 VAC 5-50-40. When the condition causing the failure or malfunction has been corrected and the equipment

is again in operation, the owner shall notify the Director, Blue Ridge Regional Office.  
(9 VAC 5-20-180 C)

#### **G. Severability**

The terms of this permit are severable. If any condition, requirement or portion of the permit is held invalid or inapplicable under any circumstance, such invalidity or inapplicability shall not affect or impair the remaining conditions, requirements, or portions of the permit.  
(9 VAC 5-80-110 G.1)

#### **H. Duty to Comply**

The permittee shall comply with all terms and conditions of this permit. Any permit noncompliance constitutes a violation of the federal Clean Air Act or the Virginia Air Pollution Control Law or both and is ground for enforcement action; for permit termination, revocation and reissuance, or modification; or, for denial of a permit renewal application.  
(9 VAC 5-80-110 G.2)

#### **I. Need to Halt or Reduce Activity not a Defense**

It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.  
(9 VAC 5-80-110 G.3)

#### **J. Permit Modification**

A physical change in, or change in the method of operation of, this stationary source may be subject to permitting under State Regulations 9 VAC 5-80-50, 9 VAC 5-80-1100, 9 VAC 5-80-1605, or 9 VAC 5-80-2000 and may require a permit modification and/or revisions except as may be authorized in any approved alternative operating scenarios.  
(9 VAC 5-80-190 and 9 VAC 5-80-260)

#### **K. Property Rights**

The permit does not convey any property rights of any sort, or any exclusive privilege.  
(9 VAC 5-80-110 G.5)

#### **L. Duty to Submit Information**

1. The permittee shall furnish to the Board, within a reasonable time, any information that the Board may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the Board copies of records required to be kept by the permit and, for information claimed to be confidential, the permittee shall furnish such records to the Board along with a claim of confidentiality.  
(9 VAC 5-80-110 G.6)
2. Any document (including reports) required in a permit condition to be submitted to the Board shall contain a certification by a responsible official that meets the requirements of 9 VAC 5-80-80 G.  
(9 VAC 5-80-110 K.1)

#### **M. Duty to Pay Permit Fees**

The owner of any source for which a permit under 9 VAC 5-80-50 through 9 VAC 5-80-300 was issued shall pay permit fees consistent with the requirements of 9 VAC 5-80-310 through 9 VAC 5-80-350. The actual emissions covered by the permit program fees for the preceding year shall be calculated by the owner and submitted to the Department by April 15 of each year. The calculations and final amount of emissions are subject to verification and final determination by the Department.

(9 VAC 5-80-110 H and 9 VAC 5-80-340 C)

#### **N. Fugitive Dust Emission Standards**

During the operation of a stationary source or any other building, structure, facility, or installation, no owner or other person shall cause or permit any materials or property to be handled, transported, stored, used, constructed, altered, repaired, or demolished without taking reasonable precautions to prevent particulate matter from becoming airborne. Such reasonable precautions may include, but are not limited to, the following:

1. Use, where possible, of water or chemicals for control of dust in the demolition of existing buildings or structures, construction operations, the grading of roads, or the clearing of land;
2. Application of asphalt, water, or suitable chemicals on dirt roads, materials stockpiles, and other surfaces which may create airborne dust; the paving of roadways and the maintaining of them in a clean condition;
3. Installation and use of hoods, fans, and fabric filters to enclose and vent the handling of dusty material. Adequate containment methods shall be employed during sandblasting or similar operations;
4. Open equipment for conveying or transporting material likely to create objectionable air pollution when airborne shall be covered or treated in an equally effective manner at all times when in motion; and,
5. The prompt removal of spilled or tracked dirt or other materials from paved streets and of dried sediments resulting from soil erosion.

(9 VAC 5-40-90, 9 VAC 5-50-90, and Condition 3 of August 10, 2010 Permit)

#### **O. Startup, Shutdown, and Malfunction**

At all times, including periods of startup, shutdown, and soot blowing, and malfunction, owners shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with air pollution control practices for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Board, which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.

(9 VAC 5-50-20 E and 9 VAC 5-40-20 E)

#### **P. Alternative Operating Scenarios**

Contemporaneously with making a change between reasonably anticipated operating scenarios identified in this permit, the permittee shall record in a log at the permitted facility

a record of the scenario under which it is operating. The permit shield described in 9 VAC 5-80-140 shall extend to all terms and conditions under each such operating scenario. The terms and conditions of each such alternative scenario shall meet all applicable requirements including the requirements of 9 VAC 5 Chapter 80, Article 1.

(9 VAC 5-80-110 J)

#### **Q. Inspection and Entry Requirements**

The permittee shall allow DEQ, upon presentation of credentials and other documents as may be required by law, to perform the following:

1. Enter upon the premises where the source is located or emissions-related activity is conducted, or where records must be kept under the terms and conditions of the permit.
2. Have access to and copy, at reasonable times, any records that must be kept under the terms and conditions of the permit.
3. Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit.
4. Sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.

(9 VAC 5-80-110 K.2)

#### **R. Reopening For Cause**

The permit shall be reopened by the Board if additional federal requirements become applicable to a major source with a remaining permit term of three years or more. Such reopening shall be completed no later than 18 months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions has been extended pursuant to 9 VAC 5-80-80 F.

1. The permit shall be reopened if the Board or the administrator determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit.
2. The permit shall be reopened if the administrator or the Board determines that the permit must be revised or revoked to assure compliance with the applicable requirements.
3. The permit shall not be reopened by the Board if additional applicable state requirements become applicable to a major source prior to the expiration date established under 9 VAC 5-80-110 D.

(9 VAC 5-80-110 L)

#### **S. Permit Availability**

Within five days after receipt of the issued permit, the permittee shall maintain the permit on the premises for which the permit has been issued and shall make the permit immediately

available to DEQ upon request.  
(9 VAC 5-80-150 E)

**T. Transfer of Permits**

1. No person shall transfer a permit from one location to another, unless authorized under 9 VAC 5-80-130, or from one piece of equipment to another.  
(9 VAC 5-80-160)
2. In the case of a transfer of ownership of a stationary source, the new owner shall comply with any current permit issued to the previous owner. The new owner shall notify the Board of the change in ownership within 30 days of the transfer and shall comply with the requirements of 9 VAC 5-80-200.  
(9 VAC 5-80-160)
3. In the case of a name change of a stationary source, the owner shall comply with any current permit issued under the previous source name. The owner shall notify the Board of the change in source name within 30 days of the name change and shall comply with the requirements of 9 VAC 5-80-200.  
(9 VAC 5-80-160)

**U. Malfunction as an Affirmative Defense**

1. A malfunction constitutes an affirmative defense to an action brought for noncompliance with technology-based emission limitations if the requirements of paragraph 2 of this condition are met.
2. The affirmative defense of malfunction shall be demonstrated by the permittee through properly signed, contemporaneous operating logs, or other relevant evidence that show the following:
  - a. A malfunction occurred and the permittee can identify the cause or causes of the malfunction.
  - b. The permitted facility was at the time being properly operated.
  - c. During the period of the malfunction the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit.
  - d. The permittee notified the Board of the malfunction within two working days following the time when the emission limitations were exceeded due to the malfunction. This notification shall include a description of the malfunction, any steps taken to mitigate emissions, and corrective actions taken. The notification may be delivered either orally or in writing. The notification may be delivered by electronic mail, facsimile transmission, telephone, or any other method that allows the permittee to comply with the deadline. This notification fulfills the requirements of 9 VAC 5-80-110 F.2.b to report promptly deviations from permit requirements. This notification does not release the permittee from the malfunction reporting requirement under 9 VAC 5-20-180 C.
3. In any enforcement proceeding, the permittee seeking to establish the occurrence of a malfunction shall have the burden of proof.

4. The provisions of this section are in addition to any malfunction, emergency or upset provision contained in any applicable requirement.

(9 VAC 5-80-250)

#### **V. Permit Revocation or Termination for Cause**

A permit may be revoked or terminated prior to its expiration date if the owner knowingly makes material misstatements in the permit application or any amendments thereto or if the permittee violates, fails, neglects or refuses to comply with the terms or conditions of the permit, any applicable requirements, or the applicable provisions of 9 VAC 5 Chapter 80 Article 1. The Board may suspend, under such conditions and for such period of time as the Board may prescribe any permit for any grounds for revocation or termination or for any other violations of these regulations.

(9 VAC 5-80-190 C and 9 VAC 5-80-260)

#### **W. Duty to Supplement or Correct Application**

Any applicant who fails to submit any relevant facts or who has submitted incorrect information in a permit application shall, upon becoming aware of such failure or incorrect submittal, promptly submit such supplementary facts or corrections. An applicant shall also provide additional information as necessary to address any requirements that become applicable to the source after the date a complete application was filed but prior to release of a draft permit.

(9 VAC 5-80-80 E)

#### **X. Stratospheric Ozone Protection**

If the permittee handles or emits one or more Class I or II substances subject to a standard promulgated under or established by Title VI (Stratospheric Ozone Protection) of the federal Clean Air Act, the permittee shall comply with all applicable sections of 40 CFR Part 82, Subparts A to F.

(40 CFR Part 82, Subparts A-F)

#### **Y. Accidental Release Prevention**

If the permittee has more, or will have more than a threshold quantity of a regulated substance in a process, as determined by 40 CFR 68.115, the permittee shall comply with the requirements of 40 CFR Part 68.

(40 CFR Part 68)

#### **Z. Changes to Permits for Emissions Trading**

No permit revision shall be required under any federally approved economic incentives, marketable permits, emissions trading and other similar programs or processes for changes that are provided for in this permit.

(9 VAC 5-80-110 I)

#### **AA. Emissions Trading**

Where the trading of emissions increases and decreases within the permitted facility is to occur within the context of this permit and to the extent that the regulations provide for trading such increases and decreases without a case-by-case approval of each emissions trade:

1. All terms and conditions required under 9 VAC 5-80-110, except subsection N, shall be included to determine compliance.
2. The permit shield described in 9 VAC 5-80-140 shall extend to all terms and conditions that allow such increases and decreases in emissions.
3. The owner shall meet all applicable requirements including the requirements of 9 VAC 5-80-50 through 9 VAC 5-80-300.

(9 VAC 5-80-110 I)